GOVERNMENT OF INDIA
SCIENCE AND TECHNOLOGY
LOK SABHA

UNSTARRED QUESTION NO:3415
ANSWERED ON:22.03.2017
Research by Bioved Institute
Kushwaha Shri Ram Kumar Sharma

Will the Minister of SCIENCE AND TECHNOLOGY be pleased to state:

(a) whether Bioved Research Institute of Agriculture and Technology, Allahabad have undertaken research with the help of traditional and modern technique to meet the requirement of fuel in the field of Agriculture in the country;
(b) if so, the details thereof;
(c) whether the Government has made any study regarding authenticity of the said research; and
(d) if so, the details thereof?

Answer

MINISTER OF STATE FOR SCIENCE AND TECHNOLOGY AND EARTH SCIENCES

(SHRI Y.S. CHOWDARY)

(a)&(b) Yes, Madam. Bioved Research Institute of Agriculture, Technology and Sciences (BRIATS), recognized as Scientific and Industrial Research Organization (SIRO) by Department of Scientific and Industrial Research (DSIR), Ministry of Science and Technology has demonstrated an animal driven prime mover called Bullock driven gear box and Bullock driven generator. This bullock driven generator has the potential of generating electricity which can be used for various agricultural operations such as flour grinding, chaff cutting, cream separation and oil expelling. This animal driven prime mover has also been utilized to demonstrate a bullock operated pumping set, which can be used to pump water for irrigation.

Farmers are currently utilizing bullocks hardly for 30-35 days in a year, only for ploughing since irrigation using bullocks has been banned. These developments by BRIATS will help the farmers to utilize bullocks for ploughing, irrigation, food grain processing, etc. throughout the year.

(c)&(d) The Government has assigned a detailed study about the evaluation & standardization of animal driven water pump to the Rural Technology Action Group, IIT, Delhi during F.Y. 2010-11. The study analyzed the gear box in Animal Driven Prime Mover developed by an entrepreneur in Kanpur and suggested design improvements.

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